

Controller Pin Out

- Pin 1 = KSI Voltage
- Pin 2 = Throttle
- Pin 3 = Throttle
- Pin 4 = NC
- B+ = Battery Positive
- B- = Battery Negative
- M- = Motor Minus

Notes

- 1) Fuses required for all boats
- 2) Diode required across coils
- 3) Pre-Charge resistor required
- 4) Kill switch required
- 5) Foot switch is normally open
- 6) **YOU MUST refer to the ALLTRAX manual for up to date information**

Revision History		
Rev	Date	Description

Chuck Oravec
Occidental College
 1600 Campus Road
 Los Angeles, CA 90041
 (323)259-2827

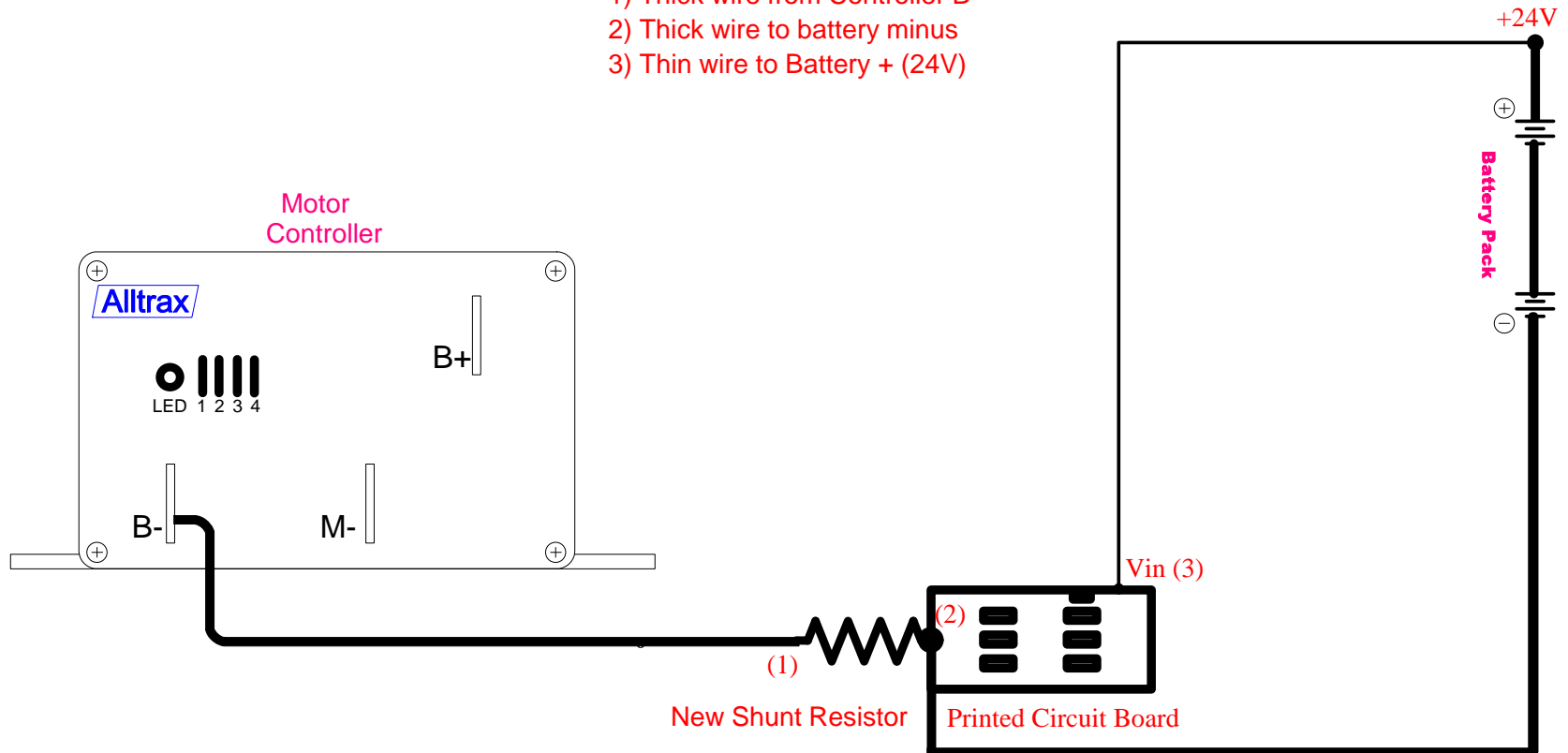
Information contained herein is proprietary and may not be used or disclosed without written permission

Department: Solar Cup - 2016		
Part Number: Brushed PM Motor		
Drawing: Solar Cup Electrical Schematic_2016.tcw	REV E	
Drawn By: CO	DATE 11/21/15	SHEET 1 OF 1

Voltmeter Shunt

Only three connections

- 1) Thick wire from Controller B-
- 2) Thick wire to battery minus
- 3) Thin wire to Battery + (24V)



Revision History			Chuck Oravec Occidental College 1600 Campus Road Los Angeles, CA 90041 (323)259-2827		Department: Solar Cup - 2016
Rev	Date	Description	Part Number: Voltmeter Shunt		
			Drawing: Voltmeter_Shunt_2016.tcw REV A		
			Drawn By: CO	DATE 11/21/15	SHEET 1 OF 1
			Information contained herein is proprietary and may not be used or disclosed without written permission		